

WHAT IS CLAIMED IS:

1. An optical pickup in which a laser beam emitted or radiated from a semiconductor laser is converged through an optical system to be focused on a signal recording surface of an optical disk and a return beam from the signal recording surface is detected through the optical system by a photodetector, the optical system comprising:

a reflecting mirror; and

a beam splitter;

at least one of the reflecting mirror and the beam splitter comprising:

a base member; and

a film member attached to the base member to introduce a phase difference between an incident laser beam and an outgoing beam.

2. The optical pickup according to claim 1, wherein the film member comprises a plurality of layers laminated on the base member.

3. The optical pickup according to claim 2, wherein the layers are different in refractive index from one another.

4. The optical pickup according to claim 1, wherein the film member comprises a dielectric film.

5. The optical pickup according to claim 1, wherein the film member comprises a metal film.

6. The optical pickup according to claim 1, wherein the film member comprises a combination of a dielectric film and a metal film.

7. The optical pickup according to claim 1, wherein the base member is formed by a white sheet glass.

8. The optical pickup according to claim 1, wherein the film member is made of a material selected from  $\text{SiO}_2$ , Si,  $\text{TiO}_2$ , and  $\text{Al}_2\text{O}_3$ .

9. The optical pickup according to claim 1, wherein the film member is formed on a surface of the base member by vapor deposition.

10. The optical pickup according to claim 1, wherein the film member is formed on a surface of the base member by sputtering.